

WHAT IS CLAIMED IS:

1. In the method of treating infertility disorders by administering an LH-RH antagonist and inducing follicle growth by administration of exogenous gonadotropin wherein the improvement comprises administering an amount of LH-RH antagonist sufficient to selectively suppress endogenous LH but not FSH secretion which is maintained at a natural level thereby not affecting individual estrogen development.

2. The method of treating infertility disorders by administering a LH-RH antagonist and inducing follicle growth by administration of exogenous gonadotropic according to claim 1 wherein the improvement further comprises using Cetorelix as the antagonist.

3. The method according to claim 2 wherein the improvement further comprises stimulating follicle growth with substances other than exogenous gonadotropins.

4. The method according to claim 2 wherein the improvement further comprises maintaining the follicle development by endogenous gonadotropins after inhibition of the action of natural LH caused by the LH-RH antagonist (preferably) Cetorelix.

5. The method according to claim 2 wherein the improvement further comprises administering the Cetorelix subcutaneously in an amount in the range of 0.1 to 0.5 mg of Cetorelix/day during multiple

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dosing posology.

6.. The method according to claim 1 wherein the LH-RH antagonist is given as a single or dual subcutaneous dose in the range of 1 mg to 10 mg, (preferably) 3 mg - 6 mg.

7. The method of controlled ovarian stimulation in which the LH-RH antagonist (preferably) Cetorelix is applied according to claim 6 starting on cycle day 6 to 10 and ovulation can be induced between day 9-16 of the menstruation cycle.

8. The method according to claim 7 wherein native LHRH or a LHRH agonist are given to avoid luteal phase stimulation in preventing the negative effects of HCG during the luteal phase.

9. The method according to claim 7 wherein (rec. LH,) native LHRH or LHRH agonist are given to avoid hyperstimulation syndrome.

10. The method of controlled ovarian stimulation comprising administering Cetorelix to a subject starting on cycle day 1 to 10, (preferably) on day 4 to 8 and inducing ovulation between day 9 and 20 of the menstruation cycle.

11. The method according to claim 10 whereas the ovulation is induced by (rec. LH.)

12. The method according to claim 10 whereas the ovulation is induced by native LHRH.

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13. The method according to claim 10 whereas the ovulation is induced by a LHRH agonist.

14. The method according to claim 10 whereas the ovulation is induced by HCG.

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